REPORT

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NMTBA
The Association For Manufacturing Technology

Direct Dial: (703) 827-5260

STATISTICAL

No. 83-91 August 7, 1991

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – MAY 1991

(Values in Millions of U.S. Dollars)

	May 1991	Apr. 1991	Average Feb.-Apr.	Year to Date '91	Year to Date '90	% Change YTD '90-'91
METAL CUTTING MACHINE TOOLS						
Exports	$ 53.1	$ 54.2	$ 52.7	$254.8	$263.3	(3.2%)
Imports	$153.5	$179.5	$141.0	$715.0	$705.7	1.3%
Balance	($100.4)	($125.3)	($ 88.3)	($460.2)	($442.4)	4.0%
METAL FORMING MACHINE TOOLS						
Exports	$ 49.9	$ 38.6	$ 36.4	$191.3	$197.0	(2.9%)
Imports	$ 40.7	$ 83.9	$ 56.2	$259.5	$187.0	38.8%
Balance	$ 9.2	($ 45.3)	($ 19.8)	($ 68.2)	$ 10.0	NM
MACHINE TOOL TOTAL						
Exports	$103.0	$ 92.8	$ 89.0	$446.1	$460.3	(3.1%)
Imports	$194.2	$263.4	$197.1	$974.5	$892.7	9.2%
Balance	($ 91.2)	($170.6)	($108.1)	($528.4)	($432.4)	22.2%
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 34.4	$ 31.5	$ 31.1	$148.7	$152.7	(2.6%)
Imports	$111.7	$129.4	$102.3	$510.8	$487.6	4.8%
Balance	($ 77.3)	($ 97.9)	($ 71.2)	($362.1)	($334.9)	8.1%
OTHER MANUFACTURING TECHNOLOGY						
Exports	$152.3	$136.7	$133.4	$693.9	$764.9	(9.3%)
Imports	$178.5	$181.3	$169.5	$869.5	$839.9	3.5%
Balance	($ 26.2)	($ 44.6)	($ 36.1)	($175.6)	($ 75.0)	134.1%

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. NM = not meaningful. Individual items may not add up to totals due to rounding.

• U.S. machine tool exports rose to $103.0 million in May, up 11% over April and equal to the second highest monthly total since 1981. Exports of NC machines totalled $34.4 million in May, up from $31.5 million in April.

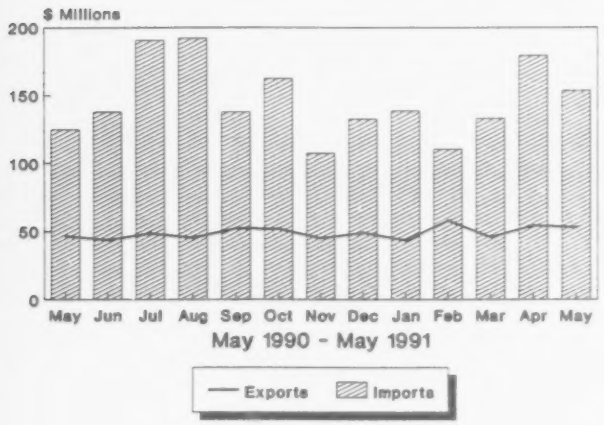
• Machine tool imports fell 26% in May from April's record high to $194.2 million.

• Year-to-date exports of $446.1 million are 3% lower than last year; year-to-date imports of $974.5 million are up 9%.

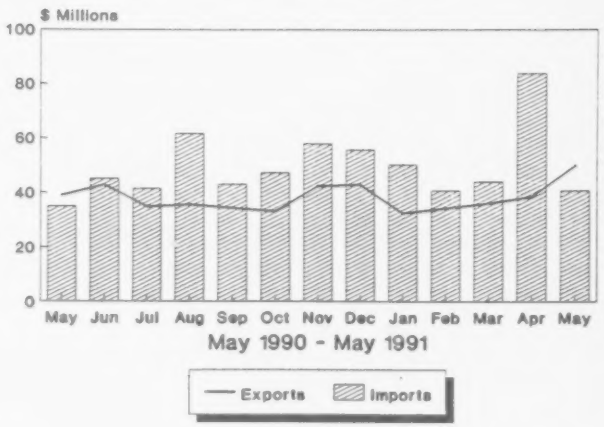
7901 WESTPARK DRIVE, McLEAN, VIRGINIA 22102-4269 / PHONE (703) 893-2900 / TLX: 353819 / FAX (703) 893-1151

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

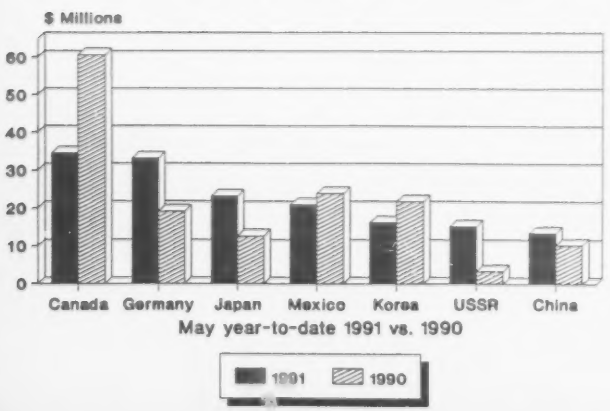
Exports

• Exports of metal cutting machines in May of $53.1 million were slightly lower than April's $54.2 million. Exports of grinding machines fell to $9.2 million in May from $11.5 million in April; exports of machining centers remained steady in May at $5.7 million.

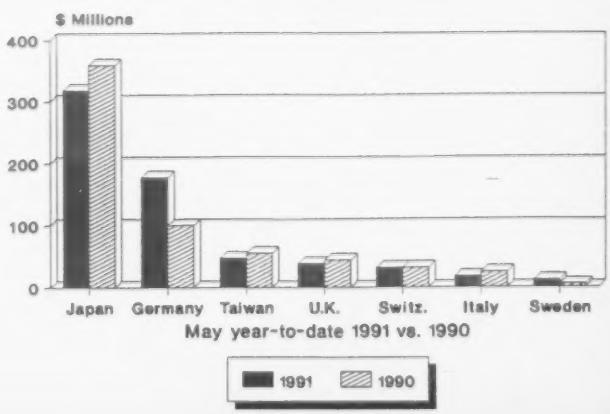
• Year-to-date exports of gear cutting machines (114 machines, $28.0 million) are up 18% in unit terms and 65% in value terms over 1990; exports so far in 1991 of drilling machines are down 2% in unit terms but up 24% in value terms.

• Exports to Canada totalled $12.6 million in May, more than double the next highest country (Mexico, $5.7 million). Canada overtook Germany in May to become the year-to-date export leader at $34.5 million. U.S. metal cutting exports to Canada are down 43% from last year. Year-to-date exports to Germany ($33.1 million) are 74% higher than 1990.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

• Imports of metal cutting machines in May fell to $153.5 million from $179.5 million in April. Year-to-date imports of $715.0 million are up from $705.7 million at this time last year.

• Japan remained the largest import source in 1991 through May at $317.8 million, down 11% from last year. Imports are also down from, among others, Singapore (56%), Brazil (47%), Canada (33%) and Italy (29%).

• Year-to-date imports of NC horizontal lathes reached $117.9 million in 1991 through May, compared to $135.5 million in 1990. Imports of non-NC lathes stood at $35.4 million in 1991 through May, versus $46.8 million last year.

METAL FORMING MACHINE TOOLS

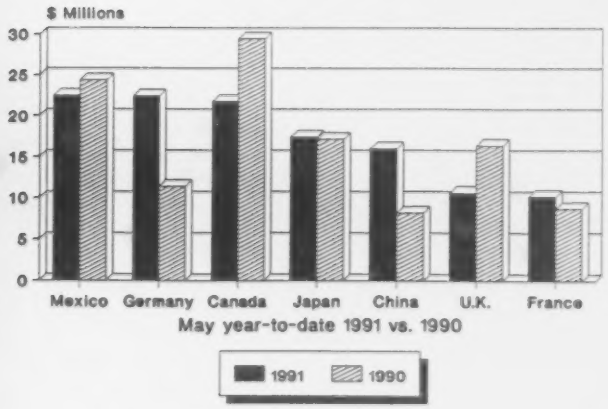
Exports

• Exports of metal forming machines jumped to $49.9 million in May, the highest monthly total ever. Year-to-date exports of metal forming machines are $191.3 million, down 3% from last year.

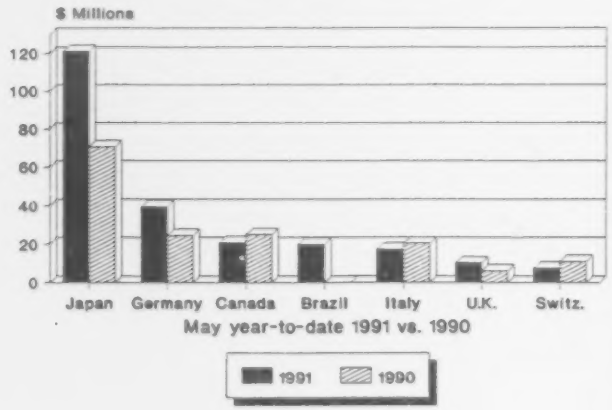
• China was the top export market in May at $10.8 million, followed by Germany ($9.1 million) and Mexico ($6.0 million). Mexico became the top year-to-date export market at $22.5 million, followed by Germany ($22.4 million), Canada ($21.7 million) and Japan ($17.4 million).

• Exports of presses in May totalled $6.1 million, down from $7.3 million in April. Year-to-date exports reached $31.4 million, down 35% from last year.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

• Imports of metal forming machines plummeted to $40.7 million in May from April's $83.9 million. For the first time since May 1990 imports trailed exports. Year-to-date imports were $259.5 million, up 39% from 1990. Imports from Japan were up 71%; imports from Germany were up 61%.

• Imports of presses in May fell to $9.7 million from $51.4 million in April. Average monthly imports of presses so far in 1991, excluding April: $11.0 million.

OTHER MANUFACTURING TECHNOLOGY

Exports

• Exports of other manufacturing technology rose to $152.3 million in May, up from $136.7 million in April. Year-to-date exports ($693.9 million) are 9% lower than last year. Machine tool parts and accessories account for 39.8% ($276.0 million) of the 1991 total.

• Year-to-date exports of numerical controls for controlling machine tools reached $9.6 million in May, down from $13.3 million last year. Exports of industrial process control instruments were $21.2 million in 1991 through May, up from $16.3 million last year at this time.

Imports

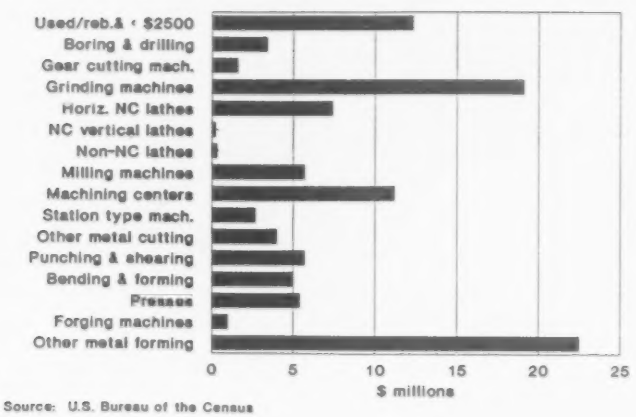
• Year-to-date imports of other manufacturing technology fell slightly in May to $178.5 million for a year-to-date total of $869.5 million, up 3.5% over last year. Imports of machine tool parts and accessories account for $233.4 million (26.8%) of the total.

• Imports of injection molding machines so far in 1991 are $139.6 million. The comparable figure for 1990: $140.3 million.

MONTHLY FOCUS

Including May's $14.1 million, U.S. machine tool exports to China so far in 1991 totalled $29.4 million, making China the fifth largest U.S. machine tool export market. Cumulative U.S. machine tool exports to China from January 1989 through May 1991 were $107.4 million. Of this total, the catch-all "other metal forming machines" accounted for $22.5 million, followed by grinding machines ($19.1 million), machining centers ($11.2 million) and NC horizontal lathes ($7.4 million). U.S. machine tool exports to China peaked at $50.5 million in 1986. If exports continue at the current pace, U.S. exports will exceed $70 million in 1991.

U.S. Machine Tool Exports to China
January 1989 - May 1991



Source: U.S. Bureau of the Census

1991 EXPORTS

METAL CUTTING

COUNTRY	MAY	APRIL	% CHANGE	MAY YTD'91	MAY YTD'90	% CHANGE
Canada	12,619,650	6,628,334	90.4%	34,505,029	60,691,325	-43.1%
Germany	3,792,815	3,749,927	1.1%	33,090,639	19,036,473	73.8%
Japan	5,145,053	5,338,128	-3.6%	23,082,953	12,633,133	82.7%
Mexico	5,662,626	4,156,659	36.2%	20,938,279	23,850,673	-12.2%
South Korea	2,979,701	4,801,299	-37.9%	16,187,084	21,724,961	-25.5%
USSR	961,957	2,799,932	-65.6%	15,196,490	3,241,319	368.8%
China	3,281,521	2,460,381	33.4%	13,403,995	10,198,765	31.4%
United Kingdom	3,089,947	2,170,675	42.3%	11,768,003	26,864,613	-56.2%
France	2,456,665	2,607,023	-5.8%	9,707,346	4,674,558	107.7%
Italy	402,436	607,256	-33.7%	6,504,754	6,556,459	-0.8%
India	56,043	1,683,009	-96.7%	5,700,612	8,964,724	-36.4%
Belgium	737,289	1,774,931	-58.5%	5,573,171	11,026,441	-49.5%
Venezuela	1,150,280	1,291,276	-10.9%	5,361,519	3,213,626	66.8%
Brazil	807,238	1,418,759	-43.1%	4,701,124	7,442,155	-36.8%
Taiwan	1,263,538	432,565	192.1%	4,442,812	3,252,423	36.6%
Netherlands	217,498	602,068	-63.9%	3,014,106	2,277,196	32.4%
Singapore	874,912	363,765	140.5%	2,869,274	3,179,975	-9.8%
Switzerland	418,552	175,851	138.0%	2,595,202	2,374,551	9.3%
Australia	122,228	156,199	-21.7%	2,023,899	9,706,833	-79.1%
Thailand	536,601	594,045	-9.7%	1,582,976	1,052,922	50.3%
Malaysia	623,253	631,727	-1.3%	1,325,781	462,855	186.4%
Indonesia	1,212,769	25,626	4,632.6%	1,294,474	115,636	1019.4%
Spain	442,891	80,827	447.9%	989,245	2,161,696	-54.2%
Austria	26,028	20,118	29.4%	493,514	181,199	172.4%

METAL FORMING

COUNTRY	MAY	APRIL	% CHANGE	MAY YTD'91	MAY YTD'90	% CHANGE
Mexico	5,984,291	3,866,382	54.8%	22,497,730	24,343,364	-7.6%
Germany	9,060,429	3,201,711	183.0	22,422,571	11,432,079	96.1
Canada	3,382,214	3,262,558	3.7	21,747,722	29,430,889	-26.1
Japan	2,924,556	1,547,174	89.0	17,398,578	17,155,133	1.4
China	10,819,650	1,327,070	715.3	15,996,099	8,183,427	95.5
United Kingdom	632,977	3,377,446	-81.3	10,641,734	16,383,296	-35.0
France	1,429,585	6,560,321	-78.2	10,216,002	8,742,634	16.9
South Korea	2,894,408	1,161,672	149.2	10,113,066	16,872,027	-40.1
Netherlands	798,133	2,516,223	-68.3	5,835,527	3,267,069	78.6
Taiwan	540,478	1,343,620	-59.8	4,148,019	7,701,095	-46.1
Italy	1,478,970	241,660	512.0	3,872,035	5,231,564	-26.0
Indonesia	1,384,349	1,536,777	-9.9	3,329,686	31,164	10,584.4
Singapore	395,468	613,801	-35.6	2,997,507	2,787,099	7.5
Brazil	227,425	293,804	-22.6	2,751,463	2,293,445	20.0
Thailand	377,686	281,051	34.4	2,266,967	746,890	203.5
Australia	242,963	338,178	-28.2	1,373,650	2,833,803	-51.5
Switzerland	142,699	435,529	-67.2	1,187,315	1,010,039	17.6
Venezuela	282,609	184,131	53.5	817,329	525,886	55.4
Malaysia	158,579	13,473	1,077.0	810,141	1,710,512	-52.6
Belgium	183,096	457,632	-60.0	793,494	1,673,495	-52.6
Spain	200,575	186,714	7.4	738,502	1,641,701	-55.0
India	28,327	120,279	-76.4	677,633	5,098,996	-86.7
Austria	0	104,055	-100.0	187,657	1,603,022	-88.3
USSR	0	0	NA	0	611,615	-100.0

TOTAL METAL CUTTING AND METAL FORMING

COUNTRY	MAY	APRIL	% CHANGE	MAY YTD'91	MAY YTD'90	% CHANGE
Canada	16,001,864	9,890,892	61.8%	56,252,751	90,122,214	-37.6%
Germany	12,853,244	6,951,638	84.9%	55,513,210	30,468,552	82.2%
Mexico	11,646,917	8,023,041	45.2%	43,436,009	48,194,037	-9.9%
Japan	8,069,609	6,885,302	17.2%	40,481,531	29,788,266	35.9%
China	14,101,171	3,787,451	272.3%	29,400,094	18,382,192	59.9%
South Korea	5,874,109	5,962,971	-1.5%	26,300,150	38,596,988	-31.9%
United Kingdom	3,722,924	5,548,121	-32.9%	22,409,737	43,247,909	-48.2%
France	3,886,250	9,167,344	-57.6%	19,923,348	13,417,192	48.5%
USSR	961,957	2,799,932	-65.6%	15,196,490	3,852,934	294.4%
Italy	1,881,406	848,916	121.6%	10,376,789	11,788,023	-12.0%
Netherlands	1,015,631	3,118,291	-67.4%	8,849,633	5,544,265	59.6%
Taiwan	1,804,016	1,776,185	1.6%	8,590,831	10,953,518	-21.6%
Brazil	1,034,663	1,712,563	-39.6%	7,452,587	9,735,600	-23.5%
India	84,370	1,803,288	-95.3%	6,378,245	14,063,720	-54.6%
Belgium	920,385	2,232,563	-58.8%	6,366,665	12,699,936	-49.9%
Venezuela	1,432,889	1,475,407	-2.9%	6,178,848	3,739,512	65.2%
Singapore	1,270,380	977,566	30.0%	5,866,781	5,967,074	-1.7%
Indonesia	2,597,118	1,562,403	66.2%	4,624,160	146,800	3,050.0%
Thailand	914,287	875,096	4.5%	3,849,943	1,799,812	113.9%
Switzerland	561,251	611,380	-8.2%	3,782,517	3,384,590	11.8%
Australia	365,191	494,377	-26.1%	3,397,549	12,540,636	-72.9%
Malaysia	781,832	645,200	21.2%	2,135,922	2,173,367	-1.7%
Spain	643,466	267,541	140.5%	1,727,747	3,803,397	-54.6%
Austria	26,028	124,173	-79.0%	681,171	1,784,221	-61.8%

1991 IMPORTS

METAL CUTTING

COUNTRY	MAY	APRIL	% CHANGE	MAY YTD'91	MAY YTD'90	% CHANGE
Japan	59,785,295	63,755,298	-6.2%	317,750,842	357,873,023	-11.2%
Germany	48,972,489	66,588,829	-26.5%	177,720,894	100,308,023	77.2%
Taiwan	7,151,921	9,993,711	-28.4%	47,598,447	55,424,161	-14.1%
United Kingdom	7,116,379	10,122,039	-29.7%	38,869,777	44,156,830	-12.0%
Switzerland	7,098,549	8,036,492	-11.7%	31,880,482	31,590,295	0.9%
Italy	5,793,204	2,683,335	115.9%	17,510,018	24,812,999	-29.4%
Sweden	3,448,836	2,336,186	47.6%	11,461,611	4,769,496	140.3%
Spain	1,191,046	2,535,203	-53.0%	9,966,997	10,194,733	-2.2%
France	2,428,213	1,951,606	24.4%	8,957,188	10,598,737	-15.5%
South Korea	1,075,367	2,073,165	-48.1%	7,478,567	8,627,474	-13.3%
Canada	1,166,177	1,444,655	-19.3%	7,229,594	10,740,595	-32.7%
Singapore	979,116	866,473	13.0%	4,325,435	9,747,448	-55.6%
Brazil	631,862	1,918,042	-67.1%	3,732,272	7,058,092	-47.1%
Belgium	262,697	2,853	9107.7%	1,293,172	940,740	37.5%

METAL FORMING

COUNTRY	MAY	APRIL	% CHANGE	MAY YTD'91	MAY YTD'90	% CHANGE
Japan	19,523,303	42,213,010	-53.8%	121,036,262	70,796,091	71.0%
Germany	6,126,987	6,905,138	-11.3%	39,353,827	24,432,490	61.1%
Canada	2,976,333	4,966,621	-40.1%	20,737,313	24,850,558	-16.6%
Brazil	478,052	18,679,897	-97.4%	19,696,889	0	NA
Italy	4,593,392	2,441,848	88.1%	17,238,427	20,246,247	-14.9%
United Kingdom	3,713,159	2,207,825	68.2%	10,181,375	5,888,426	72.9%
Switzerland	267,196	1,296,434	-79.4%	7,370,948	10,822,236	-31.9%
Sweden	580,889	665,006	-12.6%	6,268,985	3,577,088	75.3%
Belgium	866,650	826,021	4.9%	4,464,138	11,748,729	-62.0%
Taiwan	431,340	299,561	44.0%	2,966,626	4,575,758	-35.2%
Spain	211,416	29,223	623.5%	1,256,159	2,290,240	-45.2%
France	51,591	231,053	-77.7%	991,754	970,688	2.2%
South Korea	0	80,276	-100.0%	363,335	123,692	193.7%
Singapore	0	0	NA	300,254	53,105	465.4%

TOTAL METAL CUTTING AND METAL FORMING

COUNTRY	MAY	APRIL	% CHANGE	MAY YTD'91	MAY YTD'90	% CHANGE
Japan	79,308,598	105,968,308	-25.2%	438,787,104	428,669,114	2.4%
Germany	55,099,476	73,493,967	-25.0%	217,074,721	124,740,513	74.0%
Taiwan	7,583,261	10,293,272	-26.3%	50,565,073	59,999,919	-15.7%
United Kingdom	10,829,538	12,329,864	-12.2%	49,051,152	50,045,256	-2.0%
Switzerland	7,365,745	9,332,926	-21.1%	39,251,430	42,412,531	-7.5%
Italy	10,386,596	5,125,183	102.7%	34,748,445	45,059,246	-22.9%
Canada	4,142,510	6,411,276	-35.4%	27,966,907	35,591,153	-21.4%
Brazil	1,109,914	20,597,939	-94.6%	23,429,161	7,058,092	231.9%
Sweden	4,029,725	3,001,192	34.3%	17,730,596	8,346,584	112.4%
Spain	1,402,462	2,564,426	-45.3%	11,223,156	12,484,973	-10.1%
France	2,479,804	2,182,659	13.6%	9,948,942	11,569,425	-14.0%
South Korea	1,075,367	2,153,441	-50.1%	7,841,902	8,751,166	-10.4%
Belgium	1,129,347	828,874	36.3%	5,757,310	12,689,469	-54.6%
Singapore	979,116	866,473	13.0%	4,625,689	9,800,553	-52.8%

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991 Units	JANUARY 1991 Value	FEBRUARY 1991 Units	FEBRUARY 1991 Value	MARCH 1991 Units	MARCH 1991 Value	APRIL 1991 Units	APRIL 1991 Value
Used & Rebuilt & Under $2,500	5,350	13,231,937	5,314	9,384,660	5,918	12,359,757	5,272	15,333,596
Boring Machines	8	572,189	8	2,689,884	7	490,980	10	781,577
Drilling Machines	104	2,125,292	72	2,302,444	98	2,731,002	94	1,177,353
Gear Cutting Machines	14	7,378,919	23	3,441,470	16	3,898,627	22	6,720,535
Grinding Machines	244	5,937,543	272	10,254,977	275	8,387,839	313	11,543,197
Horizontal Lathes NC	15	2,388,500	33	3,043,968	29	3,419,112	38	4,707,962
Vertical Lathes NC	1	161,310	2	341,835	6	371,174	1	89,700
Lathes Non-NC	37	817,093	46	1,273,108	34	912,266	64	1,399,820
Milling Machines	21	1,285,651	27	1,255,940	56	1,629,636	35	6,730,275
Machining Centers	18	2,251,834	27	4,6[illegible]366	21	6,179,301	33	5,723,799
Station Type Machines	7	6,763,963	10	16,280,662	3	3,750,445	0	0
Other Metal Cutting	223	7,078,662	278	7,046,503	322	7,317,458	266	6,517,985
Punching & Shearing Machines	108	4,513,331	79	5,456,279	85	4,584,562	157	4,594,728
Bending & Forming Machines	116	4,251,882	102	6,952,107	119	7,232,573	120	4,830,552
Presses	293	7,418,063	96	5,734,227	128	4,847,879	168	7,262,958
Forging Machines	11	2,746,151	19	5,146,204	21	4,124,370	11	868,133
Other Metal Forming	231	7,030,224	185	7,182,512	193	9,543,993	308	14,549,088
TOTAL	6,801	75,952,544	6,593	92,487,146	7,331	81,780,974	6,912	92,831,258

PRODUCT TYPES	MAY 1991 Units	MAY 1991 Value	MAY 1991 YTD Units	MAY 1991 YTD Value	MAY 1990 Units	MAY 1990 Value	MAY 1990 YTD Units	MAY 1990 YTD Value
Used & Rebuilt & Under $2,500	5,847	14,473,978	27,701	64,783,928	5,514	13,323,757	23,606	63,391,126
Boring Machines	9	811,684	42	5,346,314	23	2,694,052	65	8,532,901
Drilling Machines	81	1,767,423	449	10,103,514	141	1,391,074	460	8,132,045
Gear Cutting Machines	39	6,598,232	114	28,037,783	16	3,920,375	97	17,026,456
Grinding Machines	285	9,241,644	1,389	45,365,200	234	9,407,118	1,498	58,367,909
Horizontal Lathes NC	19	1,914,295	134	15,473,837	43	4,213,770	195	22,025,858
Vertical Lathes NC	9	552,211	19	1,556,230	4	245,844	30	2,623,358
Lathes Non-NC	45	1,357,057	226	5,759,344	60	1,105,382	307	7,911,217
Milling Machines	57	5,134,958	196	16,037,460	38	1,738,745	222	16,855,360
Machining Centers	37	5,715,931	136	24,570,231	23	4,666,577	198	31,275,949
Station Type Machines	4	3,143,769	24	29,938,839	2	2,487,300	50	20,821,899
Other Metal Cutting	341	8,257,118	1,430	36,217,726	484	5,316,601	1,743	35,447,448
Punching & Shearing Machines	111	5,445,644	540	24,594,544	162	6,578,641	656	30,138,576
Bending & Forming Machines	108	5,331,914	565	28,599,028	142	4,048,283	709	25,189,144
Presses	96	6,098,800	781	31,361,927	287	8,435,990	1,140	48,321,239
Forging Machines	40	4,435,634	102	17,320,492	67	6,501,594	166	20,371,676
Other Metal Forming	223	22,718,552	1,140	61,024,369	324	9,293,053	1,368	43,906,852
TOTAL	7,351	103,038,844	34,988	446,090,766	7,564	85,368,156	32,510	460,339,023

1991 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE APR '91 - MAY '91		% CHANGE MAY '90 - MAY '91		% CHANGE YTD '90 - YTD '91	
	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	10.9%	-5.6%	6.0%	8.6%	17.3%	2.2%
Boring Machines	-10.0	3.9	-60.9	-69.9	-35.4	-37.3
Drilling Machines	-13.8	50.1	-42.6	27.1	-2.4	24.2
Gear Cutting Machines	77.3	-1.8	143.8	68.3	17.5	64.7
Grinding Machines	-8.9	-19.9	21.8	-1.8	-7.3	-22.3
Horizontal Lathes NC	-50.0	-59.3	-55.8	-54.6	-31.3	-29.7
Vertical Lathes NC	800.0	560.2	125.0	140.9	-36.7	-40.7
Lathes Non-NC	-29.7	-3.1	-25.0	22.8	-26.4	-27.2
Milling Machines	62.9	-23.7	50.0	195.3	-11.7	-4.9
Machining Centers	12.1	-0.1	60.9	22.5	-31.3	-21.4
Station Type Machines	NA	NA	100.0	26.4	-52.0	43.8
Other Metal Cutting	28.2	26.7	-29.5	55.3	-18.0	2.2
Punching & Shearing Machines	-29.3	18.5	-31.5	-17.2	-17.7	-18.4
Bending & Forming Machines	-10.0	10.4	-23.9	31.7	-20.3	13.5
Presses	-42.9	-16.0	-66.6	-27.7	-31.5	-35.1
Forging Machines	263.6	410.9	-40.3	-31.8	-38.6	-15.0
Other Metal Forming	-27.6	56.2	-31.2	144.5	-16.7	39.0
TOTAL	6.4	11.0	-2.8	20.7	7.6	-3.1

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		MARCH 1991		APRIL 1991	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	71,667	13,094,991	94,612	15,968,463	63,827	14,630,134	91,842	16,332,717
Boring Machines	75	3,212,626	65	3,295,233	55	6,672,018	47	5,623,400
Drilling Machines	136	5,284,960	72	2,124,951	105	5,761,640	107	2,964,231
Gear Cutting Machines	34	7,247,022	30	2,608,872	12	3,256,264	23	6,619,154
Grinding Machines	662	23,141,603	464	17,045,322	540	20,820,588	509	26,824,722
Horizontal Lathes NC	158	17,509,455	251	25,854,656	244	28,306,454	280	25,531,297
Vertical Lathes NC	9	1,367,349	15	2,253,656	9	2,973,011	15	3,573,928
Lathes Non-NC	722	8,815,703	340	4,755,176	312	7,055,881	317	4,534,633
Milling Machines	449	12,771,541	257	2,795,380	250	4,970,541	330	9,449,803
Machining Centers	293	33,595,255	212	22,089,069	167	23,849,656	189	59,165,452
Station Type Machines	14	4,189,738	4	1,830,253	5	1,401,630	19	4,376,300
Other Metal Cutting	448	11,368,644	217	12,635,073	254	16,773,980	329	18,589,257
Punching & Shearing Machines	67	5,697,766	59	1,638,364	89	5,334,266	100	4,429,933
Bending & Forming Machines	189	6,557,096	183	8,695,550	147	8,228,937	122	3,949,688
Presses	72	16,236,188	317	9,033,944	163	8,995,976	85	51,444,817
Forging Machines	59	5,028,586	47	2,528,010	51	5,954,214	44	6,285,995
Other Metal Forming	286	13,786,011	230	15,783,509	277	12,006,374	243	13,702,533
TOTAL	75,340	188,904,534	97,375	150,935,481	66,507	176,991,564	94,601	263,397,860

PRODUCT TYPES	MAY 1991		MAY 1991 YTD		MAY 1990		MAY 1990 YTD	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	61,461	13,487,177	383,409	73,513,482	81,467	13,702,955	376,171	63,025,771
Boring Machines	53	7,001,111	295	25,804,388	63	2,378,706	248	11,517,651
Drilling Machines	79	6,287,879	499	22,423,661	105	1,412,575	602	17,084,288
Gear Cutting Machines	91	4,865,147	190	24,596,459	60	1,682,253	244	18,413,118
Grinding Machines	515	14,511,571	2,690	102,343,806	761	22,855,644	3,574	109,890,909
Horizontal Lathes NC	197	20,692,781	1,130	117,894,643	246	26,717,053	1,434	135,493,689
Vertical Lathes NC	2	1,159,139	50	11,327,083	12	2,697,583	60	10,572,341
Lathes Non-NC	442	10,258,079	2,133	35,419,472	684	8,838,746	3,555	46,797,099
Milling Machines	226	5,441,990	1,512	35,429,255	498	6,400,652	2,405	33,351,215
Machining Centers	199	40,498,256	1,060	179,197,688	212	21,375,164	1,456	174,723,155
Station Type Machines	16	13,375,688	58	25,173,609	9	5,207,130	90	23,926,275
Other Metal Cutting	252	18,837,312	1,500	78,204,266	477	14,389,120	2,216	72,282,490
Punching & Shearing Machines	109	4,442,498	424	21,542,827	168	5,567,876	749	29,120,417
Bending & Forming Machines	124	7,388,462	765	34,819,733	245	7,810,331	1,007	33,865,649
Presses	301	9,718,955	938	95,429,880	410	4,231,697	1,355	28,597,728
Forging Machines	152	6,220,779	353	26,017,584	46	3,389,713	422	27,216,350
Other Metal Forming	172	10,036,703	1,208	65,315,130	198	11,187,287	1,147	56,827,213
TOTAL	64,391	194,223,527	398,214	974,452,966	85,661	159,844,485	396,735	892,705,358

1991 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	% CHANGE APR '91 – MAY '91		% CHANGE MAY '90 – MAY '91		% CHANGE YTD '90 – YTD '91	
	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under $2,500	-33.1%	-17.4%	-24.6%	-1.6%	1.9%	16.6%
Boring Machines	12.8	24.5	-15.9	194.3	19.0	124.0
Drilling Machines	-26.2	112.1	-24.8	345.1	-17.1	31.3
Gear Cutting Machines	295.7	-26.5	51.7	189.2	-22.1	33.6
Grinding Machines	1.2	-45.9	-32.3	-36.5	-24.7	-6.9
Horizontal Lathes NC	-29.6	-19.0	-19.9	-22.5	-21.2	-13.0
Vertical Lathes NC	-86.7	-67.6	-83.3	-57.0	-16.7	7.1
Lathes Non-NC	39.4	126.2	-35.4	16.1	-40.0	-24.3
Milling Machines	-31.5	-42.4	-54.6	-15.0	-37.1	6.2
Machining Centers	5.3	-31.6	-6.1	89.5	-27.2	2.6
Station Type Machines	-15.8	205.6	77.8	156.9	-35.6	5.2
Other Metal Cutting	-23.4	1.3	-47.2	30.9	-32.3	8.2
Punching & Shearing Machines	9.0	0.3	-35.1	-20.2	-43.4	-26.0
Bending & Forming Machines	1.6	87.1	-49.4	-5.4	-24.0	2.8
Presses	254.1	-81.1	-26.6	129.7	-30.8	233.7
Forging Machines	245.5	-1.0	230.4	83.5	-16.4	-4.4
Other Metal Forming	-29.2	-26.8	-13.1	-10.3	5.3	14.9
TOTAL	-31.9	-26.3	-24.8	21.5	0.4	9.2

U.S. EXPORTS
Metal Cutting Machine Tools - May 91

RELEASED: August 7, 1991

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	65	4750	22	1569
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	39	5674	10	1548
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	10	2218	2	775
100035	Horizontal machining centers, ATC	19	8284	3	1167
100045	Machining centers, n.e.c.	68	8393	22	2225
200010	Unit construction mach. (single station transfer), NC	2	474	0	0
200090	Unit construction mach. (single station transfer), non-NC	6	2285	2	330
300010	Multi-station transfer machines, NC	8	14559	1	2099
300090	Multi-station transfer machines, non-NC	7	12584	1	715
8458110010	Horizontal lathes, multiple spindle, NC	12	2070	2	186
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	90	7533	11	847
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	19	3143	4	584
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	13	2728	2	298
190030	Horizontal engine or toolroom lathes, non-NC	15	192	2	16
190050	Automatic bar and/or chucking mach., single spindle, non-NC	10	85	7	46
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	26	1490	2	310
190090	Horizontal lathes, n.e.c., non-NC	116	2236	14	453
911060	Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080	Vertical turret lathes, n.e.c., NC	1	261	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	18	1295	9	592
991050	Vertical turret lathes, non-NC	24	371	5	76
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	35	1385	15	456
8459100000	Way-type unit head machines	1	38	0	0
210080	Other drilling machines, NC	83	6250	21	1258
290040	Drilling machines, multiple spindle, non-NC	0	0	0	0
290050	Drilling machines, radial, non-NC	13	246	2	111
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	14	586	2	11
290090	Drilling machines, n.e.c., non-NC	339	3022	56	388
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	1	394	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	4	2971	1	391
310070	Boring-milling machines, n.e.c., NC	13	918	3	170
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	33	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	4	137	0	0
400040	Boring machines, vertical, NC	0	0	0	0
400050	Boring machines, vertical, non-NC	12	388	3	85
400070	Boring machines, n.e.c., NC	1	148	1	148
400080	Boring machines, n.e.c., non-NC	6	358	1	17
510080	Milling machines, knee type, NC	11	933	2	83
590030	Milling machines, knee type, non-NC	53	2089	11	399
610080	Milling machines, excluding knee type, n.e.c., NC	30	10525	16	3970
690050	Milling machines, profile, dup., or die sinking, non-NC	0	0	0	0
690070	Milling machines, bed type, non-NC	1	37	0	0
690090	Milling machines, n.e.c., non-NC	101	2454	28	683
700020	Threading or tapping machines, n.e.c., NC	40	1849	4	532
700080	Threading or tapping machines, n.e.c., non-NC	113	3177	23	472
8460110080	Flat surface grinding machines, NC	15	1887	2	107
190010	Flat surface grinding mach., recip.-table type, non-NC	20	236	4	33
190050	Flat surface grinding machines, n.e.c., non-NC	8	989	1	88
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	61	21302	13	4355
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	8	1407	2	139
290030	Grinding machines, internal cylindrical, non-NC	7	237	1	28
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	145	4976	28	742
310080	Sharpening machines (tool & cutter grinding), NC	13	1215	2	317
390050	Sharpening machines (tool or cutter grinding), non-NC	411	4007	54	421
400060	Honing or lapping machines, NC	0	0	0	0
400080	Honing or lapping machines, non-NC	221	3156	61	1139
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	3	77	2	53
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	477	5876	115	1821
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	79	1996	12	305
200010	Shaping or slotting machines, NC	3	223	1	15
200090	Shaping or slotting machines, non-NC	18	431	2	50
300060	Broaching machines, NC	2	338	0	0
300080	Broaching machines, non-NC	25	976	1	5
401050	Gear hobbers	28	1953	2	80
401070	Gear shapers	3	510	1	47
401090	Gear cutting machines, n.e.c.	42	20373	15	4388
405060	Gear grinding or finishing machines	41	5202	21	2083
500050	Sawing or cutting-off machines, NC	36	2001	6	793
500090	Sawing or cutting-off machines, non-NC	717	8608	149	1672
9000000001	Metal cutting machine tools, n.e.c.	332	11868	121	2845
9800000001	Used or rebuilt machine tools	2317	26237	386	6378
9900000001	Machine tools valued at less than $3,025	17103	10132	3678	2232
	Cutting Total			4990	53144
	Y-T-D Cutting Total	23579	254776		
	NC Y-T-D Cutting Total*	782	118806		

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - May 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	2	234
8457100015	0	0	0	0	1	167	0	0	1	112
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	2	624
100045	0	0	0	0	0	0	0	0	8	740
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	1	2099
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	2	186
110030	0	0	0	0	1	94	0	0	2	138
110050	0	0	0	0	0	0	0	0	2	206
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	6	31
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	4	130
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	2	51
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	3	67	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	6
290070	0	0	0	0	0	0	0	0	2	11
290090	0	0	0	0	1	149	0	0	40	172
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	1	391
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	1	40
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	17
510080	0	0	0	0	0	0	0	0	2	83
590030	2	39	0	0	0	0	0	0	1	33
610080	0	0	0	0	0	0	0	0	12	1553
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	4	383
700020	0	0	0	0	1	29	0	0	0	0
700080	0	0	0	0	1	74	1	100	5	38
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	3	1352
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	4	127
310080	0	0	0	0	0	0	0	0	2	317
390050	0	0	0	0	0	0	0	0	4	29
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	1	8	1	18	1	14	0	0	17	210
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	14	1048
500050	0	0	0	0	0	0	0	0	4	751
500090	1	9	0	0	0	0	0	0	14	111
9000000001	0	0	0	0	0	0	8	642	23	228
9800000001	2	37	0	0	0	0	0	0	68	816
9900000001	17	29	21	8	126	143	47	66	317	354
Month Tot	23	122	22	26	135	737	56	807	572	12620
Y-T-D Tot	315	2024	51	494	651	5573	242	4701	2416	34505
NC YTD Tot*	3	954	0	0	36	3926	25	3148	130	21468

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U.S. EXPORTS
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	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	16	995	0	0	0	0
8457100015	0	0	1	380	0	0	0	0	0	0
100025	0	0	1	535	0	0	0	0	0	0
100035	1	544	0	0	0	0	0	0	0	0
100045	1	38	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	2	330	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	2	219	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	5	321	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	4	18	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	1	2263	1	83	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	15	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	2	104	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	317	1	200	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	1	28	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	2	13	8	60	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	5	106	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	14	673	7	76	2	18	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	1	5	0	0	0	0
200010	0	0	0	0	1	15	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	1	5	0	0	0	0	0	0	0	0
401050	0	0	0	0	1	52	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	1	42	1	649	0	0	0	0
405060	0	0	0	0	1	809	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	1	10	0	0	2	27	0	0	0	0
9000000001	0	0	0	0	0	0	0	0	0	0
9800000001	0	0	8	232	22	260	1	10	6	1213
9900000001	0	0	116	80	114	48	17	11	0	0
Month Tot	11	3282	147	2457	185	3793	24	56	6	1213
Y-T-D Tot	465	13404	776	9707	1623	33091	313	5701	23	1294
NC YTD Tot*	27	9294	26	6102	132	22695	4	1614	1	31

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	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	1	51	0	0	1	103
84571C0015	2	238	0	0	0	0	0	0	2	170
100025	0	0	0	0	0	0	0	0	1	240
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	1	655	0	0	10	655
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	715	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	2	142
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	2	298
190030	0	0	0	0	0	0	0	0	2	16
190050	0	0	1	16	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	1	250
190090	0	0	0	0	0	0	0	0	6	77
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	7	516
991050	0	0	0	0	0	0	0	0	3	52
995090	0	0	0	0	0	0	0	0	12	371
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	164
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	10	42
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	1	103
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	2	46	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	1	109	0	0	1	45	1	29
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	3	58	0	0	0	0	17	147
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	1	51
190010	0	0	0	0	0	0	0	0	2	18
190050	0	0	0	0	0	0	0	0	1	88
210080	0	0	4	1153	0	0	0	0	1	129
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	11	0	0	0	0	6	53
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	59	9	61	2	17	1	4
400060	0	0	0	0	0	0	0	0	0	0
400080	1	23	10	142	12	123	2	350	2	46
900060	0	0	2	53	0	0	0	0	0	0
900080	3	33	1	5	16	156	0	0	10	108
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	5	0	0	0	0	2	24
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	29
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	6	1709	3	924	0	0	1	70
405060	0	0	1	26	1	23	4	178	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	47	475	2	18	1	12	6	74
9000000001	0	0	1	677	1	7	0	0	3	23
9800000001	1	93	5	505	5	196	0	0	162	1153
9900000001	15	15	496	96	78	51	16	22	573	419
Month Tot	22	402	583	5145	130	2980	26	623	852	5663
Y-T-D Tot	553	6505	2615	23083	1438	16187	51	1326	3834	20938
NC YTD Tot*	9	3450	60	6585	25	4641	0	0	88	8483

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	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	34
8457100015	0	0	2	346	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	1	47
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	35
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	3	217
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	5	144	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	3	503
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	1	56
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	267	0	0
290010	1	100	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	39
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	1	4	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	4	71	1	14
900060	0	0	0	0	0	0	0	0	0	0
900080	2	11	3	26	1	10	1	10	2	110
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	5	97	1	5	9	149	0	0	9	146
9000000001	0	0	0	0	0	0	2	23	0	0
9800000001	0	0	57	165	7	274	1	4	0	0
9900000001	11	9	538	189	15	10	100	40	60	64
Month Tot	19	217	606	875	32	443	110	419	83	1264
Y-T-D Tot	309	3014	1222	2869	105	989	556	2595	703	4443
NC YTD Tot*	5	1129	5	555	1	27	11	1696	13	1863

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	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	1	153
8457100015	0	0	1	135	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	1	91	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	4	254	0	0	0	0	0	0
110050	0	0	1	251	0	0	1	127	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	1	60	0	0	0	0	0	0
190090	0	0	0	0	0	0	2	170	2	76
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	2	76
991050	0	0	2	24	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	5	283	0	0	0	0	3	206	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	1	104	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	6	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	2	67
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	1	148	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	1	41	0	0	0	0	1	31
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	13	0	0	0	0	2	67
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	1	10	0	0	8	130	5	15
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	2	15
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	2	938	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	1	39
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	2	31	0	0	0	0	14	481
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	26	174	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	10	103	4	50	0	0	0	0	10	109
900060	0	0	0	0	0	0	0	0	0	0
900080	1	4	12	127	0	0	12	121	8	84
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	6	113	0	0	1	16	1	141
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	2	50
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	1	47
401090	0	0	0	0	2	882	0	0	1	111
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	2	43
500090	1	23	22	240	0	0	1	20	27	255
9000000001	1	69	11	336	0	0	4	37	67	806
9800000001	2	4	6	58	0	0	14	94	19	1263
9900000001	213	51	253	34	122	80	63	83	350	334
Month Tot	233	537	359	3090	124	962	110	1150	520	4263
Y-T-D Tot	337	1583	1820	11768	150	15196	432	5362	2579	28424
NC YTD Tot*	13	800	80	7315	4	324	17	1724	67	10981

Please see notes on last page of the metal forming section.

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RELEASED: August 7, 1991

Metal Forming Machine Tools		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
8454300010	Die casting machines	151	3684	15	214
8462100030	Headers and upsetters, including cold headers	15	5378	5	1189
100050	Forging or die stamping machines, and hammers, n.e.c.	87	11942	35	3247
210080	Bending, folding, straight. or flat. mach., incl presses, NC	104	12866	18	2795
290030	Press brakes, non-NC	53	2106	14	398
290040	Bending rolls, non-NC	32	872	5	103
290050	Bending, folding, straight., or flat., n.e.c., non-NC	376	12756	71	2036
310080	Shearing machines, NC	42	3878	16	1929
390050	Shearing machines, non-NC	131	3550	21	405
410080	Punching or notching mach., incl. comb. punch & shear, NC	52	8659	10	1322
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	315	8508	64	1789
910060	Hydraulic presses, NC	11	464	3	76
910090	Hydraulic presses, non-NC	250	5404	33	823
990030	Presses, n.e.c., NC	73	4023	2	129
990040	Presses, mechanical, non-NC	81	7996	6	1773
990060	Presses, n.e.c., non-NC	366	13475	52	3299
8463100080	Draw benches for bars, tubes, profiles, wire or the like	96	2965	27	348
200080	Thread rolling machines	21	598	1	19
300080	Machines for working wire	317	9954	44	2082
900080	Metal forming machine tools, n.e.c.	555	43822	136	20055
9800000002	Used or rebuilt machine tools	1410	22914	350	4781
9900000002	Machine tools valued at less than $3,025	6871	5500	1433	1083
	Forming Total			2361	49894
	Y-T-D Forming Total	11409	191314		
	NC Y-T-D Forming Total	282	29889		
	Cutting and Forming Totals: Monthly Total			7351	103039
	Y-T-D Total	34988	446091		
	NC Y-T-D Total*	1064	148695		

Other Manufacturing Technology		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
1000000000	Machine tool parts and accessories	0	276011	0	54468
2000000000	Parts for working rubber or plastics - heading 8477	0	113587	0	21527
2710003070	Quenching or cutting oils	0	2732	0	746
8428900010	Industrial robots for lifting, handling, loading or unload	236	1640	18	207
8431390090	Parts industrial robots, handling and loading - heading 8428	0	41709	0	9549
8456100000	Laser, light or photon beam for working any material	275	17117	56	5733
200000	Ultrasonic process for working any material	32	730	9	210
8477106010	Injection molding mach., for rubber or oth. thermosetting	82	6000	17	1382
106070	Injection molding machines, for thermoplastics	164	20215	33	4808
200005	Extruders; rubber or other thermosetting mat., single screw	45	4019	7	1249
200015	Extruders; rubber or thermosetting, other incl. multi. screw	72	6158	30	2091
200030	Extruders; thermoplastics, single screw	189	8652	58	3582
200060	Extruders; thermoplastics, other incl. multi. screw	50	5926	8	251
300000	Blow molding machines	269	16925	39	5870
400000	Vacuum-molding and other thermoforming machines	426	2772	69	881
510010	Machines for molding or retreading pneumatic tires	1584	6623	89	1410
510090	Machines for molding or otherwise forming inner tubes	275	6929	86	1131
590000	Machines for molding or otherwise forming n.e.c.	811	12350	316	5876
800000	Machines for working rubber or plastics n.e.c.	1912	30733	320	5640
8479899040	Industrial robots, n.e.c.	2257	26257	583	5333
908040	Industrial robot parts	0	15094	0	4102
8537100030	Numerical controls for controlling machine tools	665	9572	130	1967
9024100000	Machines and appliances for testing metals	0	29284	0	6032
9031100000	Machines for balancing mechanical parts	0	9605	0	1824
300000	Profile projectors	0	2042	0	199
9032810040	Industrial process control instr., hydraulic or pneumatic	427047	21220	80643	6260

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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Metal Forming

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	1	29
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	79	0	0	1	36	0	0	4	582
210080	0	0	0	0	0	0	1	33	3	257
290030	0	0	0	0	0	0	0	0	8	130
290040	0	0	0	0	0	0	0	0	4	91
290050	1	12	0	0	0	0	0	0	19	192
310080	0	0	0	0	0	0	0	0	1	156
390050	0	0	0	0	1	24	0	0	11	261
410080	0	0	0	0	0	0	0	0	1	231
490050	2	85	0	0	0	0	0	0	5	196
910060	0	0	0	0	0	0	0	0	0	0
910090	2	35	0	0	0	0	2	191	0	0
990030	0	0	0	0	0	0	0	0	1	32
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	4	95
8463100080	0	0	0	0	0	0	0	0	1	11
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	4	66
900080	0	0	0	0	0	0	0	0	24	377
9800000002	1	10	0	0	3	123	0	0	43	423
9900000002	22	22	0	0	0	0	4	3	220	253
Month Tot	29	243	0	0	5	183	7	227	354	3382
Y-T-D Tot	144	1374	8	188	176	793	108	2751	1392	21748
NC YTD Tot	1	118	0	0	0	0	5	585	36	5584
C&F Month	52	365	22	26	140	920	63	1035	926	16002
C&F Y-T-D	459	3398	59	681	827	6367	350	7453	3808	56253
C&F NC YTD*	4	1072	0	0	36	3926	30	3734	166	27052

Other Manufacturing Technology

1000000000	0	661	0	170	0	566	0	703	0	10296
2000000000	0	272	0	105	0	1130	0	455	0	4178
2710003070	0	5	0	0	0	20	0	0	0	138
8428900010	0	0	0	0	0	0	0	0	8	97
8431390090	0	615	0	0	0	16	0	18	0	763
8456100000	0	0	0	0	1	13	0	0	4	405
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	8	2198
200005	0	0	0	0	0	0	0	0	1	38
200015	0	0	0	0	0	0	0	0	10	1310
200030	0	0	3	326	18	457	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	2	824
400000	0	0	0	0	0	0	0	0	4	72
510010	2	50	0	0	0	0	1	29	0	0
510090	0	0	0	0	13	313	0	0	0	0
590000	1	6	0	0	0	0	0	0	1	26
800000	2	26	0	0	0	0	0	0	90	1440
8479899040	0	0	0	0	0	0	0	0	351	2112
908040	0	22	0	0	0	0	0	0	0	996
8537100030	1	9	0	0	0	0	5	75	7	92
9024100000	0	60	0	0	0	26	0	107	0	779
9031100000	0	0	0	0	0	0	0	0	0	1124
300000	0	0	0	0	0	16	0	0	0	22
9032810040	375	65	685	34	1074	97	0	0	3885	307

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	3	1	33	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	117	6	860	12	716	0	0	0	0
210080	0	0	0	0	1	95	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	5	200	5	291	0	0	1	14
310080	0	0	0	0	4	802	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	1	76	2	317	0	0	0	0
490050	0	0	0	0	2	608	0	0	15	156
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	0	0
990030	0	0	0	0	1	97	0	0	0	0
990040	1	34	0	0	2	54	0	0	1	1214
990060	0	0	5	148	4	959	0	0	0	0
8463100080	0	0	0	0	9	87	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	5	2	1553	0	0	0	0
900080	19	10664	0	0	8	3373	3	28	0	0
9800000002	0	0	2	82	0	0	0	0	0	0
9900000002	21	4	159	58	119	76	0	0	0	0
Month Tot	42	10820	180	1430	172	9060	3	28	17	1384
Y-T-D Tot	116	15996	475	10216	845	22423	50	678	88	3330
NC YTD Tot	15	1430	30	1761	25	2820	1	140	0	0
C&F Month	53	14101	327	3886	357	12853	27	84	23	2597
C&F Y-T-D	581	29400	1251	19923	2468	55513	363	6378	111	4624
C&F NC YTD*	42	10724	56	7863	157	25515	5	1754	1	31

Other Manufacturing Technology

1000000000	0	989	0	2530	0	5299	0	195	0	95
2000000000	0	180	0	971	0	1395	0	73	0	24
2710003070	0	0	0	0	0	0	0	0	0	9
8428900010	0	0	1	3	0	0	0	0	0	0
8431390090	0	5	0	111	0	76	0	0	0	295
8456100000	3	76	3	1110	5	354	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	1	132	2	135	0	0	0	0
106070	0	0	0	0	1	50	0	0	0	0
200005	0	0	0	0	0	0	1	694	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	3	1058	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	2	2378	2	33	0	0	0	0
400000	23	200	0	0	6	65	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	5	71	2	36	0	0	4	1539
800000	0	0	0	0	27	409	0	0	1	51
8479899040	0	0	27	175	91	1686	2	32	0	0
908040	0	0	0	95	0	143	0	6	0	0
8537100030	1	18	7	110	20	277	0	0	0	0
9024100000	0	60	0	495	0	473	0	4	0	0
9031100000	0	0	0	0	0	3	0	0	0	0
300000	0	0	0	21	0	0	0	0	0	0
9032810040	207	1935	4971	263	2180	144	27	8	154	8

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	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	8	92	1	24
8462100030	0	0	5	1189	0	0	0	0	0	0
100050	0	0	0	0	1	67	0	0	2	125
210080	0	0	2	86	1	913	1	29	5	1021
290030	0	0	0	0	0	0	0	0	1	19
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	5	142	0	0	7	194
310080	0	0	4	215	0	0	0	0	6	706
390050	0	0	0	0	2	11	2	35	5	74
410080	1	71	0	0	0	0	0	0	1	100
490050	0	0	0	0	4	50	0	0	9	336
910060	0	0	0	0	1	6	0	0	1	29
910090	0	0	1	11	1	95	0	0	13	258
990030	0	0	0	0	0	0	0	0	0	0
990040	1	393	0	0	0	0	0	0	0	0
990060	0	0	4	101	2	615	0	0	17	598
8463100080	0	0	0	0	0	0	0	0	2	49
200080	0	0	0	0	0	0	0	0	0	0
300080	2	52	0	0	0	0	0	0	11	192
900080	0	0	14	1197	4	516	0	0	6	37
9800000002	70	942	2	50	24	374	0	0	164	2031
9900000002	24	21	235	76	136	104	3	3	177	192
Month Tot	98	1479	267	2925	181	2894	14	159	428	5984
Y-T-D Tot	209	3872	898	17399	446	10113	67	810	2379	22498
NC YTD Tot	3	322	25	3543	11	1876	1	29	35	3793
C&F Month	120	1881	850	8070	311	5874	40	782	1280	11647
C&F Y-T-D	762	10377	3513	40482	1884	26300	118	2136	6213	43436
C&F NC YTD*	12	3771	85	10129	36	6517	1	29	123	12276

Other Manufacturing Technology

1000000000	0	1475	0	5662	0	2047	0	426	0	5267
2000000000	0	269	0	1186	0	879	0	103	0	2026
2710003070	0	0	0	73	0	20	0	0	0	74
8428900010	0	0	0	0	0	0	0	0	8	77
8431390090	0	0	0	121	0	556	0	0	0	365
8456100000	1	214	8	1689	1	23	0	0	1	198
200000	0	0	2	36	0	0	0	0	3	71
8477106010	0	0	0	0	1	75	0	0	12	1014
106070	0	0	2	246	0	0	0	0	8	885
200005	0	0	0	0	0	0	0	0	4	484
200015	0	0	0	0	0	0	16	400	2	170
200030	2	623	0	0	0	0	0	0	10	239
200060	0	0	0	0	0	0	4	105	3	127
300000	0	0	1	11	0	0	0	0	6	1675
400000	15	128	13	330	0	0	0	0	5	37
510010	0	0	1	59	0	0	3	83	23	583
510090	0	0	0	0	0	0	0	0	14	86
590000	1	15	68	105	0	0	0	0	2	6
800000	1	3	1	17	0	0	2	150	96	2125
8479899040	2	27	34	202	1	23	0	0	4	125
908040	0	263	0	176	0	8	0	3	0	102
8537100030	10	239	4	62	8	104	2	36	0	0
9024100000	0	136	0	843	0	189	0	11	0	114
9031100000	0	0	0	52	0	95	0	30	0	141
300000	0	0	0	14	0	39	0	0	0	28
9032810040	1544	888	1065	165	2307	208	0	0	1884	115

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	91	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	3	25	7	215	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	1	178	0	0	0	0	0	0	2	287
490050	0	0	1	8	1	124	0	0	2	19
910060	0	0	0	0	0	0	0	0	0	0
910090	8	83	0	0	0	0	0	0	5	136
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	1	77
990060	0	0	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	4	77	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	1	14	0	0	0	0	3	69	0	0
900080	19	440	0	0	0	0	4	62	0	0
9800000002	2	27	10	77	0	0	0	0	0	0
9900000002	34	31	5	5	0	0	13	11	22	21
Month Tot	68	798	24	395	5	201	20	143	32	540
Y-T-D Tot	613	5836	190	2998	44	739	188	1187	181	4148
NC YTD Tot	11	1326	10	692	1	55	3	181	5	421
C&F Month	87	1016	630	1270	37	643	130	561	115	1804
C&F Y-T-D	922	8850	1412	5867	149	1728	744	3783	884	8591
C&F NC YTD*	16	2455	15	1247	2	82	14	1877	18	2284

Other Manufacturing Technology

1000000000	0	1177	0	881	0	467	0	586	0	642
2000000000	0	240	0	148	0	232	0	333	0	310
2710003070	0	0	0	3	0	0	0	0	0	11
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	187	0	291	0	0	0	14	0	0
8456100000	1	325	0	0	0	0	0	0	1	600
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	3	138	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	1	33
200015	0	0	0	0	0	0	0	0	0	0
200030	8	203	0	0	0	0	0	0	1	350
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	12	224
400000	0	0	0	0	1	9	0	0	0	0
510010	33	40	0	0	7	141	0	0	0	0
510090	0	0	1	3	0	0	0	0	0	0
590000	2	28	2	32	12	188	3	53	0	0
800000	3	86	27	127	0	0	0	0	2	4
8479899040	0	0	0	0	0	0	23	136	2	229
908040	0	3	0	3	0	0	0	134	0	0
8537100030	1	13	7	112	0	0	1	11	0	0
9024100000	0	614	0	72	0	176	0	156	0	167
9031100000	0	0	0	36	0	0	0	0	0	45
300000	0	0	0	4	0	3	0	26	0	19
9032810040	5482	303	4556	265	3964	211	286	14	348	82

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	3	34
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	6	574
210080	0	0	2	192	0	0	0	0	2	170
290030	0	0	0	0	0	0	0	0	5	249
290040	0	0	0	0	0	0	0	0	1	12
290050	0	0	1	13	0	0	0	0	17	738
310080	1	50	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	1	61
490050	5	33	5	58	0	0	0	0	13	116
910060	0	0	0	0	0	0	1	41	0	0
910090	0	0	0	0	0	0	0	0	1	15
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	5	154	1	15	0	0	0	0	10	615
8463100080	9	73	0	0	0	0	0	0	2	51
200080	0	0	1	19	0	0	0	0	0	0
300080	9	42	3	40	0	0	2	13	6	37
900080	0	0	6	162	0	0	1	29	28	3169
9800000002	0	0	5	77	0	0	7	198	17	367
9900000002	14	26	61	57	0	0	3	3	161	116
Month Tot	43	378	85	633	0	0	14	283	273	6325
Y-T-D Tot	156	2267	705	10642	0	0	90	817	1841	28494
NC YTD Tot	5	720	37	1531	0	0	1	41	21	2923
C&F Month	276	914	444	3723	124	962	124	1433	793	10588
C&F Y-T-D	493	3850	2525	22410	150	15196	522	6179	4420	56918
C&F NC YTD*	18	1520	117	8846	4	324	18	1764	88	13904

Other Manufacturing Technology

1000000000	0	461	0	3534	0	13	0	817	0	9508
2000000000	0	166	0	1833	0	0	0	569	0	4447
2710003070	0	0	0	0	0	0	0	50	0	344
8428900010	0	0	1	30	0	0	0	0	0	0
8431390090	0	2186	0	78	0	0	0	623	0	3229
8456100000	0	0	6	119	0	0	20	419	1	188
200000	4	103	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	1	26
106070	0	0	3	280	0	0	2	124	6	888
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	1	110	1	100
200030	0	0	0	0	0	0	3	76	10	250
200060	0	0	1	19	0	0	0	0	0	0
300000	0	0	6	614	0	0	0	0	8	111
400000	0	0	0	0	0	0	0	0	2	41
510010	4	93	0	0	0	0	4	85	11	246
510090	45	11	1	500	0	0	0	0	12	217
590000	2	26	209	3721	0	0	0	0	2	23
800000	6	100	8	315	0	0	13	24	41	764
8479899040	0	0	6	308	0	0	1	8	39	272
908040	0	0	0	2037	0	0	0	55	0	55
8537100030	1	13	31	404	0	0	0	0	24	394
9024100000	0	10	0	288	0	58	0	59	0	1133
9031100000	0	0	0	25	0	0	0	5	0	270
300000	0	0	0	0	0	0	0	0	0	6
9032810040	31057	103	7415	515	0	0	1286	69	5891	459

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
May 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	1	10	0	0	1	10
Denmark	7	260	5	33	12	293
Finland	42	14	2	37	44	51
Greece	1	25	4	103	5	128
Hungary	38	164	0	0	38	164
Iceland	0	0	0	0	0	0
Ireland	5	85	18	1075	23	1160
Luxembourg	0	0	0	0	0	0
Norway	13	97	5	4	18	102
Poland	0	0	1	1350	1	1350
Portugal	10	10	0	0	10	10
Romania	13	451	0	0	13	451
Sweden	28	601	17	237	45	838
Turkey	3	32	18	250	21	282
Yugoslavia	0	0	0	0	0	0
Oth Europe	0	0	7	6	7	6
TOTAL	1316	14295	710	17022	2026	31317
NORTH AND CENTRAL AMERICA						
Bahamas	0	0	0	0	0	0
Barbados	7	5	19	21	26	26
Belize	0	0	0	0	0	0
Bermuda	2	4	0	0	2	4
Costa Rica	0	0	6	5	6	5
Dominican Rep	0	0	2	3	2	3
El Salvador	0	0	0	0	0	0
Guatemala	5	3	0	0	5	3
Haiti	0	0	0	0	0	0
Honduras	0	0	0	0	0	0
Jamaica	0	0	1	15	1	15
Panama	13	19	6	322	19	341
Trinidad	0	0	4	83	4	83
Oth N & C Am.	0	0	1	81	1	81
TOTAL	1451	18313	821	9896	2272	28209
SOUTH AMERICA						
Argentina	5	72	2	3	7	75
Bolivia	0	0	0	0	0	0
Chile	17	158	22	991	39	1149
Colombia	8	53	4	63	12	116
Ecuador	2	9	1	102	3	111
Paraguay	0	0	0	0	0	0
Peru	9	96	55	52	64	148
Uruguay	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	207	2346	105	1721	312	4067
OCEANIA						
New Zealand	1	3	9	8	10	11
Oth Oceania	2	6	0	0	2	6
TOTAL	26	131	38	251	64	382

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
May 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	184	1078	19	391	203	1469
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	14	64	2	81	16	145
Jordan	6	10	1	11	7	21
Kuwait	1	5	0	0	1	5
Laos	0	0	0	0	0	0
Lebanon	5	8	0	0	5	8
Macao	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Pakistan	0	0	3	493	3	493
Philippines	19	37	20	41	39	78
Qatar	12	7	0	0	12	7
Saudi Arabia	7	19	7	86	14	105
Sri Lanka	0	0	0	0	0	0
Syria	0	0	1	11	1	11
United Arab Emr	12	29	3	53	15	82
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	1962	17231	679	20691	2641	37922
AFRICA						
Algeria	5	590	7	283	12	873
Botswana	0	0	0	0	0	0
Egypt	6	198	0	0	6	198
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0
South Africa	17	40	0	0	17	40
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	1	31	1	31
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	28	828	8	314	36	1142

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS - Metal Cutting Machine Tools - May 91

RELEASED: August 7, 1991

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456301020	Traveling wire electro-discharge machines	278	21567	50	3341
301050	Electro-discharge machines, n.e.c., NC	84	8527	10	1019
301070	Electro-discharge machines, n.e.c., non-NC	156	1480	4	133
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	667	56432	125	9894
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	46	8409	9	2253
100035	Horizontal machining centers, ATC	225	49080	44	8803
100045	Machining centers, n.e.c.	122	65277	21	19548
200010	Unit construction mach. (single station transfer), NC	20	4272	2	1213
200090	Unit construction mach. (single station transfer), non-NC	4	939	0	0
300010	Multi-station transfer machines, NC	7	7406	4	5638
300090	Multi-station transfer machines, non-NC	26	12499	10	6525
8458110010	Horizontal lathes, multiple spindle, NC	114	18670	18	2737
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	818	62348	146	10356
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	171	25346	29	4535
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	27	11531	4	3065
190030	Horizontal engine or toolroom lathes, non-NC	1506	14265	358	3372
190050	Automatic bar and/or chucking mach., single spindle, non-NC	177	5189	26	766
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	14	1968	4	386
190090	Horizontal lathes, n.e.c., non-NC	263	9689	26	4671
911060	Vertical turret lathes, multiple spindle, NC	3	550	0	0
911080	Vertical turret lathes, n.e.c., NC	20	5010	2	1159
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	13	2887	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	14	2881	0	0
991050	Vertical turret lathes, non-NC	43	504	0	0
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	130	3805	28	1064
8459100000	Way-type unit head machines	1	58	0	0
210080	Other drilling machines, NC	157	13429	31	4107
290040	Drilling machines, multiple spindle, non-NC	10	1016	1	12
290050	Drilling machines, radial, non-NC	106	1130	12	129
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	35	338	2	190
290090	Drilling machines, n.e.c., non-NC	191	6510	33	1849
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	6	2924	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	49	8749	7	1545
310070	Boring-milling machines, n.e.c., NC	12	2786	1	1023
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	44	3439	21	594
400040	Boring machines, vertical, NC	6	1085	2	758
400050	Boring machines, vertical, non-NC	19	469	0	0
400070	Boring machines, n.e.c., NC	12	3848	1	2641
400080	Boring machines, n.e.c., non-NC	147	2504	21	439
510080	Milling machines, knee type, NC	205	3715	7	142
590030	Milling machines, knee type, non-NC	862	7385	182	1146
610080	Milling machines, excluding knee type, n.e.c., NC	219	17763	30	4018
690050	Milling machines, profile, dup., or die sinking, non-NC	13	141	0	0
690070	Milling machines, bed type, non-NC	14	445	0	0
690090	Milling machines, n.e.c., non-NC	199	5980	7	136
700020	Threading or tapping machines, n.e.c., NC	76	4973	12	669
700080	Threading or tapping machines, n.e.c., non-NC	54	1903	13	341
8460110080	Flat surface grinding machines, NC	63	5623	13	979
190010	Flat surface grinding mach., recip.-table type, non-NC	183	2919	20	176
190050	Flat surface grinding machines, n.e.c., non-NC	571	7198	156	1493
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	228	38555	32	5764
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	175	4494	21	825
290030	Grinding machines, internal cylindrical, non-NC	99	3034	11	747
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	391	13501	75	1296
310080	Sharpening machines (tool & cutter grinding), NC	67	2375	18	291
390050	Sharpening machines (tool or cutter grinding), non-NC	277	3181	45	427
400060	Honing or lapping machines, NC	14	1428	0	0
400080	Honing or lapping machines, non-NC	67	4008	9	669
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	35	998	9	187
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	520	15030	106	1657
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	6	37	0	0
200010	Shaping or slotting machines, NC	2	298	0	0
200090	Shaping or slotting machines, non-NC	19	2402	2	447
300060	Broaching machines, NC	5	2814	2	2695
300080	Broaching machines, non-NC	6	3092	0	0
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	62	9063	20	1956
401040	Gear shapers	27	3084	5	784
401060	Gear cutting machines, n.e.c.	79	2229	61	15
405050	Gear grinding or finishing for bevel gears	1	49	0	0
405070	Gear grinding or finishing machines, n.e.c.	21	10171	5	2110
500050	Sawing or cutting-off machines, NC	52	9796	2	2969
500090	Sawing or cutting-off machines, non-NC	645	13670	141	4861
9000000001	Metal cutting machine tools, n.e.c.	117	7647	16	2362
9800000001	Used or rebuilt machine tools	1084	20305	181	3423
9900000001	Machine tools valued at less than $3,025	374000	36863	59065	7197
	Cutting Total			61318	153549
	Y-T-D Cutting Total	386201	714982		
	NC Y-T-D Cutting Total	3858	474466		

Please see notes on last page of the metal forming section.

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	3	353
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	223
100045	0	0	0	0	0	0	0	0	5	17723
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	3	5050
300090	0	0	0	0	1	65	0	0	3	4061
8458110010	0	0	0	0	0	0	0	0	3	443
110030	3	252	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	5	767	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	37	449	1	11	2	29	0	0
190050	0	0	3	55	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	2	4374
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	2	1159	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	2	57	0	0	0	0	1	8
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	1	12	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	1	160	0	0	0	0
290090	0	0	3	24	1	16	0	0	2	1120
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	3	739
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	9	0	0	1	6
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	4	28	14	294	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	2	261
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	2	36
700020	0	0	0	0	1	12	0	0	1	74
700080	0	0	0	0	0	0	0	0	0	0
8460110080	1	9	0	0	0	0	0	0	3	791
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	12	57	0	0	0	0
210080	0	0	0	0	0	0	0	0	11	1930
290010	0	0	0	0	6	62	0	0	0	0
290030	0	0	0	0	0	0	0	0	1	212
290050	0	0	0	0	13	36	0	0	31	144
310080	0	0	0	0	0	0	0	0	1	28
390050	0	0	0	0	3	12	0	0	1	5
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	3	596
900060	0	0	0	0	1	71	0	0	0	0
900080	0	0	0	0	3	44	5	17	15	549
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	4	1091
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	2	1255
500050	0	0	0	0	0	0	0	0	2	2969
500090	0	0	0	0	32	382	2	41	24	2556
9000000001	0	0	0	0	0	0	0	0	5	1752
9800000001	0	0	1	46	11	26	1	16	45	450
9900000001	4	2	0	0	324	165	109	105	518	172
Month Tot	8	263	46	632	416	1166	140	2428	698	48972
Y-T-D Tot	22	1293	220	3732	1198	7230	779	8957	4368	177721
NC YTD Tot	4	261	12	1495	23	630	29	4576	301	121068

Please see notes on last page of the metal forming section.

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	32	2347	0	0	0	0	0	0
301050	0	0	9	912	0	0	0	0	0	0
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	94	8100	2	150	10	428	0	0
100025	0	0	7	2144	0	0	2	109	0	0
100035	0	0	40	8198	1	68	0	0	0	0
100045	0	0	4	868	0	0	0	0	0	0
200010	1	1047	0	0	1	166	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	1	587	0	0	0	0	0	0	0	0
300090	3	1624	0	0	0	0	0	0	0	0
8458110010	0	0	15	2295	0	0	0	0	0	0
110030	0	0	113	9380	6	305	0	0	0	0
110050	0	0	24	3768	0	0	0	0	0	0
110090	0	0	1	236	0	0	0	0	0	0
190030	0	0	1	70	0	0	22	288	2	26
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	2	19	0	0	0	0	0	0
190090	0	0	4	93	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	6	419	5	274	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	30	4037	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	51
290070	0	0	1	30	0	0	0	0	0	0
290090	1	345	0	0	0	0	0	0	16	137
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	6	66	0	0	0	0	0	0	0	0
400040	0	0	1	703	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	1	2641	0	0	0	0	0	0
400080	1	48	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	1	46	0	0	0	0	0	0	86	544
610080	0	0	7	3499	0	0	1	35	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	2	36	0	0	0	0	2	38
700020	0	0	10	583	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	1	10	1	115	0	0	0	0	0	0
190010	0	0	0	0	0	0	6	114	0	0
190050	0	0	1	61	0	0	0	0	0	0
210080	1	405	18	3044	0	0	0	0	0	0
290010	0	0	8	322	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	14	175	4	381	0	0	0	0	0	0
310080	1	3	0	0	0	0	0	0	0	0
390050	10	61	5	72	0	0	0	0	1	60
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	2	6	0	0	0	0	0	0
900060	0	0	1	61	0	0	0	0	0	0
900080	2	20	16	350	0	0	0	0	3	333
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	2	447	0	0	0	0	0	0
300060	0	0	1	292	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	3	688	0	0	0	0	0	0
401040	0	0	4	772	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	2	162	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	30	740	26	864	0	0	0	0	0	0
9000000001	1	4	4	312	0	0	0	0	0	0
9800000001	1	11	30	1005	1	20	0	0	0	0
9900000001	1721	435	3914	617	1015	94	28	5	2	3
Month Tot	1798	5793	4444	59785	1031	1075	69	979	113	1191
Y-T-D Tot	18351	17510	26326	317751	9722	7479	505	4325	981	9967
NC YTD Tot	28	6752	2290	267076	64	4258	31	1700	135	1025

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - May 91

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	3	435	0	0	0	0	15	559
301050	0	0	1	107	0	0	0	0	0	0
301070	0	0	1	40	2	30	0	0	1	62
8457100015	0	0	0	0	1	89	10	572	5	202
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	2	314	0	0
100045	0	0	0	0	0	0	8	677	4	280
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	3	774	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	1	117	15	167	2	35	6	100
110050	0	0	0	0	0	0	0	0	0	0
110090	2	2452	0	0	0	0	0	0	1	378
190030	0	0	1	4	109	743	27	411	156	1343
190050	0	0	4	595	11	82	0	0	8	34
190070	0		2	367	0	0	0	0	0	0
190090	0	0	0	0	0	0	11	166	9	38
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	1	8	6	110	7	187
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	70
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	11	79
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	8	189	2	18
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	1	622	0	0	0	0	3	184
310070	0	0	0	0	0	0	0	0	1	1023
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	462	12	52	0	0	0	0
400040	0	0	0	0	0	0	0	0	1	55
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	2	69
510080	0	0	0	0	6	94	1	48	0	0
590030	0	0	0	0	81	419	2	85	12	52
610030	0	0	1	99	0	0	1	13	18	111
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	1	27	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	6	99	0	0	0	0	7	243
8460110080	0	0	0	0	0	0	7	54	0	0
190010	0	0	0	0	6	40	0	0	8	22
190050	1	579	1	4	140	781	0	0	1	11
210080	0	0	2	385	0	0	0	0	0	0
290010	0	0	4	356	0	0	2	65	1	19
290030	0	0	10	534	0	0	0	0	0	0
290050	0	0	4	538	9	23	0	0	0	0
310080	0	0	6	162	0	0	9	6	1	93
390050	0	0	0	0	0	0	24	213	1	4
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	4	67	0	0
900060	0	0	0	0	0	0	0	0	7	55
900080	0	0	1	37	2	12	24	99	35	196
100060	0	0	0	0	0	0	0	0	0	0
8461100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	1	2403	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	13	177	0	0
401040	0	0	0	0	0	0	0	0	1	12
401060	0	0	57	10	0	0	4	5	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	1	692	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	1	64	2	66	13	93	9	46	2	10
9000000001	0	0	4	278	0	0	0	0	2	16
9800000001	1	34	11	299	2	74	67	1275	10	168
9900000001	282	320	22	16	41618	4446	360	60	9148	757
Month Tot	287	3449	150	7099	42028	7152	603	7116	9487	6448
Y-T-D Tot	1402	11462	540	31880	278857	47598	1355	38870	41575	29207
NC YTD Tot	10	5704	113	15749	361	12416	166	22354	291	9403

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 91

RELEASED: August 7, 1991

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	129	16127	43	3474
8462100030	Headers and upsetters, including cold headers	40	9010	7	2699
100050	Forging or die stamping machines, and hammers, n.e.c.	313	17008	145	3521
210080	Bending, folding, straight. or flat. mach., incl presses, NC	213	17950	48	3845
290030	Press brakes, non-NC	100	3572	18	804
290040	Bending rolls, non-NC	30	882	2	19
290050	Bending, folding, straight., or flat., n.e.c., non-NC	422	12417	56	2720
310080	Shearing machines, NC	9	1213	1	180
390050	Shearing machines, non-NC	149	4837	18	266
410080	Punching or notching mach., incl. comb. punch & shear, NC	81	10764	32	2761
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	185	4728	58	1235
910060	Hydraulic presses, NC	8	5082	0	0
910090	Hydraulic presses, non-NC	712	9586	242	1343
990030	Presses, n.e.c., NC	1	1281	1	1281
990035	Mechanical transfer presses, non-NC	6	55611	1	4522
990045	Mechanical presses, n.e.c., non-NC	42	13212	10	1172
990060	Presses, n.e.c., non-NC	169	10659	47	1400
8463100080	Draw benches for bars, tubes, profiles, wire or the like	91	7199	19	1289
200080	Thread rolling machines	30	1021	4	20
300080	Machines for working wire	464	25866	28	3044
900080	Metal forming machine tools, n.e.c.	494	15102	78	2210
9800000002	Used or rebuilt machine tools	2033	14131	86	2314
9900000002	Machine tools valued at less than $3,025	6292	2214	2129	554
	Forming Total			3073	40675
	Y-T-D Forming Total	12013	259471		
	NC Y-T-D Forming Total	312	36291		
	Cutting and Forming Totals:				
	Monthly Total			64391	194224
	Y-T-D Total	398214	974453		
	NC Y-T-D Total	4170	510757		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	233416	0	47972
2000000000	Parts for working rubber or plastics - heading 8477	0	147368	0	29161
2710003070	Quenching or cutting oils	0	129	0	11
8428900010	Industrial robots for lifting, handling, loading or unload	688	12313	69	2393
8431390080	Parts industrial robots, handling and loading - heading 8428	0	39429	0	5989
8456101010	Laser, light or photon beam for working metal, NC	58	15190	13	6008
101020	Laser, light or photon beam for working metal, non-NC	38	5805	11	905
105000	Laser, light or photon beam for other materials	29	3978	2	375
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	32	114	18	15
205000	Ultrasonic processes for working other materials	26	154	0	0
8477103000	Injection molding mach., for manufacturing shoes	5	875	1	462
106010	Injection molding mach., for rubber or oth. thermosetting	359	42279	67	8908
106050	Injection molding mach., for thermoplastics	991	96398	248	22297
200005	Extruders; rubber or other thermosetting mat., single screw	17	3624	6	415
200015	Extruders; rubber or thermosetting, other incl. multi. screw	84	10937	20	3055
200035	Extruders; thermoplastics, single screw, less than 6.4cm	39	882	9	302
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	41	4577	8	214
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	20	1692	10	844
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	62	8841	15	1749
300000	Blow molding machines	95	24093	20	7692
400000	Vacuum-molding and other thermoforming machines	186	8770	127	4494
510010	Machines for molding or retreading pneumatic tires	193	12825	25	3959
510090	Machines for molding or otherwise forming inner tubes	40	2889	4	378
590000	Machines for molding or otherwise forming n.e.c.	288	14935	113	1468
800000	Machines for working rubber or plastics n.e.c.	912	73620	170	11251
8479899040	Industrial robots, n.e.c.	1592	59222	232	9423
908040	Industrial robot parts	0	14933	0	2055
8537100030	Numerical controls for controlling machine tools	3203	14492	593	2486
9024100000	Machines and appliances for testing metals	0	5544	0	925
9031100000	Machines for balancing mechanical parts	0	3585	0	2376
300000	Profile projectors	0	2681	0	438
9032810020	Industrial process control instr., hydraulic	58162	1726	10873	181
810060	Industrial process control instr., pneumatic	69767	2213	8540	280

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 91

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	6	200	0	0	1	483
8462100030	0	0	0	0	0	0	0	0	2	533
100050	0	0	0	0	6	39	0	0	0	0
210080	0	0	0	0	1	545	3	11	3	263
290030	2	93	0	0	14	679	0	0	0	0
290040	0	0	0	0	1	10	0	0	1	9
290050	1	7	0	0	15	201	0	0	2	491
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	3	64	0	0	5	52
410080	0	0	0	0	0	0	0	0	27	1977
490050	0	0	0	0	1	10	0	0	5	397
910060	0	0	0	0	0	0	0	0	0	0
910090	1	31	0	0	1	188	0	0	2	137
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	1	155
990060	0	0	0	0	16	630	0	0	1	31
8463100080	9	594	0	0	0	0	0	0	9	667
200080	0	0	0	0	0	0	0	0	0	0
300080	3	142	0	0	0	0	0	0	7	414
900080	0	0	0	0	2	94	4	40	2	155
9800000002	0	0	16	476	28	277	1	1	4	334
9900000002	0	0	1	3	300	41	0	0	21	28
Month Tot	16	867	17	478	394	2976	8	52	93	6127
Y-T-D Tot	96	4464	24	19697	1136	20737	84	992	756	39354
NC YTD Tot	1	561	0	0	19	2774	5	55	56	10045
C&F Month	24	1129	63	1110	810	4143	148	2480	791	55099
C&F Y-T-D	118	5757	244	23429	2334	27967	863	9949	5124	217075
C&F NC YTD	5	822	12	1495	42	3405	34	4630	357	131112

Other Manufacturing Technology

1000000000	0	1472	0	83	0	5686	0	346	0	9005
2000000000	0	24	0	2	0	5538	0	5653	0	9488
2710003070	0	0	0	0	0	6	0	0	0	3
8428900010	0	0	0	0	2	31	0	0	0	0
8431390080	0	0	0	269	0	1105	0	48	0	977
8456101010	0	0	0	0	0	0	0	0	2	424
101020	0	0	0	0	0	0	0	0	11	905
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	1	222	0	0	8	584
106050	0	0	0	0	27	4130	0	0	80	3383
200005	0	0	0	0	0	0	0	0	2	207
200015	0	0	0	0	3	29	0	0	13	2403
200035	0	0	0	0	6	65	0	0	1	109
200045	0	0	0	0	1	3	0	0	1	203
200055	0	0	0	0	2	22	0	0	2	342
200065	0	0	0	0	1	26	0	0	8	1288
300000	0	0	0	0	1	65	3	4394	10	2424
400000	0	0	0	0	0	0	0	0	24	1806
510010	0	0	0	0	8	1095	0	0	6	2085
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	8	272	0	0	93	514
800000	4	173	0	0	23	369	0	0	36	2775
8479899040	0	0	0	0	1	1513	0	0	4	343
908040	0	0	0	0	0	30	0	6	0	642
8537100030	0	0	0	0	0	0	1	3	20	9
9024100000	0	0	0	0	0	92	0	0	0	37
9031100000	0	0	0	0	0	82	0	0	0	12
300000	0	0	0	0	0	0	0	0	0	9
9032810020	0	0	0	0	1	2	0	0	8	25
810060	0	0	17	3	25	6	0	0	26	7

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	1	239	34	2532	0	0	0	0	0	0
8462100030	0	0	4	1615	0	0	0	0	0	0
100050	5	707	127	2682	0	0	0	0	0	0
210080	1	31	37	2964	0	0	0	0	0	0
290030	0	0	2	32	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	5	42	8	325	0	0	0	0	0	0
310080	0	0	1	180	0	0	0	0	0	0
390050	0	0	1	36	0	0	0	0	0	0
410080	0	0	3	373	0	0	0	0	0	0
490050	21	154	6	242	0	0	0	0	18	156
910060	0	0	0	0	0	0	0	0	0	0
910090	3	90	25	886	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	4522	0	0	0	0	0	0
990045	1	143	8	874	0	0	0	0	0	0
990060	0	0	19	397	0	0	0	0	2	15
8463100080	0	0	1	28	0	0	0	0	0	0
200080	0	0	4	20	0	0	0	0	0	0
300080	7	2266	6	129	0	0	0	0	0	0
900080	8	856	9	777	0	0	0	0	0	0
9800000002	0	0	11	857	0	0	0	0	0	0
9900000002	429	64	216	52	0	0	0	0	55	41
Month Tot	481	4593	523	19523	0	0	0	0	75	211
Y-T-D Tot	826	17238	2043	121036	11	363	1	300	270	1256
NC YTD Tot	21	756	170	15942	0	0	0	0	0	0
C&F Month	2279	10387	4967	79309	1031	1075	69	979	188	1402
C&F Y-T-D	19177	34748	28369	438787	9733	7842	506	4626	1251	11223
C&F NC YTD	49	7508	2460	283018	64	4258	31	1700	135	1025

Other Manufacturing Technology

1000000000	0	1343	0	17319	0	246	0	251	0	297
2000000000	0	698	0	5069	0	52	0	6	0	28
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	0	0	64	2164	0	0	0	0	0	0
8431390080	0	245	0	961	0	0	0	13	0	0
8456101010	0	0	11	5584	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	2	375	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	18	15	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	1	462	0	0	0	0	0	0	0	0
106010	3	525	42	6864	0	0	0	0	0	0
106050	18	3722	75	7558	4	142	0	0	0	0
200005	0	0	2	180	0	0	0	0	0	0
200015	0	0	0	0	1	350	0	0	0	0
200035	1	113	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	5	375	0	0	0	0	0	0
200065	4	352	1	19	0	0	0	0	0	0
300000	1	146	2	578	0	0	0	0	0	0
400000	71	2575	1	31	0	0	0	0	0	0
510010	4	70	6	695	0	0	0	0	0	0
510090	2	370	2	8	0	0	0	0	0	0
590000	5	362	3	51	0	0	0	0	0	0
800000	7	153	42	4702	4	166	0	0	0	0
8479899040	0	0	166	6834	0	0	1	2	0	0
908040	0	21	0	909	0	0	0	0	0	0
8537100030	16	104	553	2333	0	0	0	0	0	0
9024100000	0	60	0	97	0	0	0	0	0	0
9031100000	0	0	0	2256	0	19	0	0	0	0
300000	0	0	0	104	0	0	0	0	0	0
9032810020	0	0	0	0	200	4	0	0	0	0
810060	255	29	46	110	5000	16	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
May 91

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	20	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	1	551	0	0
100050	0	0	1	2	0	0	2	72	4	19
210080	0	0	0	0	3	31	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	10	500	0	0	2	7	5	1001	8	145
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	9	114	0	0
410080	0	0	0	0	0	0	0	0	2	411
490050	0	0	1	7	2	12	3	246	1	10
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	210	11
990030	0	0	0	0	0	0	1	1281	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	0	0
990060	3	81	0	0	4	124	1	79	1	44
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	4	47	0	0	1	46
900080	0	0	41	178	1	4	10	100	1	6
9800000002	0	0	3	3	0	0	15	259	8	107
9900000002	0	0	36	57	438	205	4	9	629	56
Month Tot	13	581	83	267	454	431	51	3713	865	854
Y-T-D Tot	91	6269	484	7371	2840	2967	1561	10181	1790	7244
NC YTD Tot	8	1684	6	350	3	31	2	1467	21	2624
C&F Month	300	4030	233	7366	42482	7583	654	10830	10352	7302
C&F Y-T-D	1493	17731	1024	39251	281697	50565	2916	49051	43365	36451
C&F NC YTD	18	7388	119	16100	364	12447	168	23821	312	12027

Other Manufacturing Technology

1000000000	0	992	0	2642	0	1401	0	4185	0	2704
2000000000	0	22	0	365	0	358	0	704	0	1153
2710003070	0	0	0	0	0	0	0	2	0	0
8428900010	1	42	0	0	0	0	0	0	2	156
8431390080	0	103	0	137	0	116	0	854	0	1161
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	2	279	2	43	1	19	8	372
106050	0	0	7	1155	8	234	6	35	23	1936
200005	0	0	0	0	0	0	0	0	2	28
200015	0	0	0	0	1	65	0	0	2	208
200035	0	0	0	0	0	0	1	15	0	0
200045	6	8	0	0	0	0	0	0	0	0
200055	0	0	0	0	1	105	0	0	0	0
200065	0	0	0	0	0	0	1	64	0	0
300000	0	0	0	0	3	86	0	0	0	0
400000	0	0	0	0	0	0	31	81	0	0
510010	0	0	0	0	0	0	1	15	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	0	0	2	22	2	247
800000	0	0	6	407	19	276	17	858	12	1371
8479899040	0	0	6	247	4	18	0	0	50	467
908040	0	84	0	57	0	18	0	148	0	139
8537100030	0	0	0	0	0	0	3	37	0	0
9024100000	0	0	0	265	0	3	0	338	0	33
9031100000	0	0	0	0	0	0	0	2	0	5
300000	0	0	0	2	0	0	0	294	0	29
9032810020	0	0	0	0	0	0	2015	12	8649	138
810060	350	95	0	0	1520	4	0	0	1301	9

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
May 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	54	1751	1	6	55	1757
Bulgaria	9	48	0	0	9	48
Czechoslovakia	10	208	0	0	10	208
Denmark	54	161	12	95	66	256
Finland	3	22	3	436	6	458
Hungary	1	30	0	0	1	30
Ireland	43	48	2	2	45	50
Luxembourg	1	31	0	0	1	31
Netherlands	1	70	3	74	4	144
Norway	3	19	1	6	4	25
Poland	23	789	0	0	23	789
Portugal	0	0	0	0	0	0
Romania	1	55	0	0	1	55
USSR	0	0	0	0	0	0
Yugoslavia	7	465	0	0	7	465
Oth Europe	0	0	0	0	0	0
TOTAL	4007	80008	842	17031	4849	97039
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	84	22	12	42	96	64
Oth N & C Am.	0	0	0	0	0	0
TOTAL	500	1188	406	3019	906	4207
SOUTH AMERICA						
Argentina	1	62	0	0	1	62
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	47	694	17	478	64	1172
OCEANIA						
Australia	4	105	0	0	4	105
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	4	105	0	0	4	105

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
May 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	9135	1470	825	106	9960	1577
Hong Kong	28	332	0	0	28	332
India	6	55	3	2	9	57
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	0	0	3	84	3	84
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	19	704	0	0	19	704
Oth Asia	0	0	0	0	0	0
TOTAL	56760	71553	1808	20147	58568	91701
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.